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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/005,972	11/07/2001	Kjeld Borch Egevang	42P11644	2706

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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT PAPER NUMBER

2132

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/005,972

Applicant(s)

EGEVANG, KJELD BORCH

Examiner

Venkatanarayanan Perungavoor

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 07 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 8/4/2003.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

AD

DETAILED ACTION

Specifications

1. Applicant is reminded of the proper content of an abstract of the disclosure.
2. A patent abstract is a concise statement of the technical disclosure of the patent and should include that which is new in the art to which the invention pertains. If the patent is of a basic nature, the entire technical disclosure may be new in the art, and the abstract should be directed to the entire disclosure. If the patent is in the nature of an improvement in an old apparatus, process, product, or composition, the abstract should include the technical disclosure of the improvement. In certain patents, particularly those for compounds and compositions, wherein the process for making and/or the use thereof are not obvious, the abstract should set forth a process for making and/or use thereof. If the new technical disclosure involves modifications or alternatives, the abstract should mention by way of example the preferred modification or alternative.

The abstract should not refer to purported merits or speculative applications of the invention and should not compare the invention with the prior art.

Where applicable, the abstract should include the following:

- a. if a machine or apparatus, its organization and operation;
- b. if an article, its method of making;
- c. if a chemical compound, its identity and use;
- d. if a mixture, its ingredients;
- e. if a process, the steps.

Extensive mechanical and design details of apparatus should not be given.

The Applicant's abstract is not descriptive and not a summary of the invention.

Appropriate correction is required.

3. The Specifications fails to include a "Summary of Invention" section. Appropriate correction is required.

Double Patenting

4. Claims 1, 9, 17, 22, and 26 rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1 of U.S. Patent No. 6119171('171) to Alkhatib. Although the conflicting claims are not identical, they are not patentably distinct from each other because both are related to receiving packets, and selecting(translating) the address contained within the packet and communicating the packet to the address specified.
5. Claims 1, 9, 17, 22, and 26 provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claim 1 of copending Application No. 10/015959. Although the conflicting claims are not identical, they are not patentably distinct from each other because: The instant application differs from copending Application No. 10/015959('959) in that the instant application presents a packet rather than an packet fragment and instead of external and internal addresses, '959, mentions first and second addresses. And further the encryption of packet of instant application is would be obvious addition to '959 as it is well known to encrypt packets and packet fragments in a insecure communications channel.

This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 102

6. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

7. Claim 1 rejected under 35 U.S.C. 102(b) as being anticipated by U.S. Patent 6,119,171 to Alkhatib.
8. Regarding Claim 1, Alkhatib discloses the receiving of encrypted packet having an identifier and an external address that represents a plurality of internal addresses; selecting one of the internal addresses and communicating the encrypted packet to the selected internal address see Fig. 10 item 502 & Col 13 Ln 24-55 & Abstract.
9. Regarding Claim 2, 13, Alkhatib discloses the searching a list of identifiers having associated times; selecting an identifier having an earliest time; and retrieving the internal address associated with the selected identifier see Col 11 Ln 50- Col 12 Ln 21 & Col 6 Ln 27-33.

10. Regarding Claim 3, Alkhatib discloses the creating a list and searching the created list see Col 6 Ln 63-Col 7 Ln 5.
11. Regarding Claim 4, 14, Alkhatib discloses the receiving of encrypted packets having predetermined sequence number and an identifier associated with internal address see Col 6 Ln 24-26 & Col 8 Ln 67- Col 9 Ln 4 ; determining a time the packet was received and associating time and internal addresses with identifier see Col 6 Ln 27-33 & Fig. 3 items 66, 62, 64 and 80; storing the identifier with associated time and associated internal address see Col. 10 Ln 43-53.
12. Regarding Claim 8, Alkhatib discloses the receiving the message that is encrypted was communicated to incorrect address and further determining activity levels and communicating the packet to the one with highest activity level see Col 5 Ln 17-36.
13. Regarding Claim 9, Alkhatib discloses the creating a list of identifiers with each terminating at a device having an internal address, translating the internal addresses to a external address see Col 6 Ln 63- Col 7 Ln 31; the receiving of encrypted packet having an identifier and an external address that represents a plurality of internal addresses; selecting one of the internal addresses and

communicating the encrypted packet to the selected internal address see Fig. 10 item 502 & Col 13 Ln 24-55 & Abstract.

14. Regarding Claim 15, Alkhatib discloses the creating of list of identifiers terminating at a device with internal address and selecting an internal address for encrypted packet with external address and identifier see Col 6 Ln 63- Col 7 Ln 31 & Fig. 10.
15. Regarding Claim 16, Alkhatib discloses the communicating the encrypted packet to the selected internal address see Fig. 10 item 502 & Col 13 Ln 24-55.
16. Regarding Claim 17, Alkhatib discloses the first net work sending of encrypted packets to an external address see Col 2 Ln 66- Col 3 Ln 28; a second network to receive the packets and translate the external address to an internal address see Col 13 Ln 24-55; a third network to receive the encrypted packet see Col 13 Ln 49-55.
17. Regarding Claim 18, Alkhatib discloses the use of natural address translation(NAT) see Col 2 Ln 13-29.
18. Regarding Claim 22, Alkhatib discloses the storage medium see Col 10 Ln 22-53; the stored medium having instructions that result in receiving an encrypted

packet having identifier and an external address that represents a plurality of internal address, selecting one of the internal addresses and communicating the encrypted packet to selected internal address see Col 13 Ln 24-55.

19. Regarding Claim 23, Alkhatib discloses the searching a list of identifiers having associated times; selecting an identifier having an earliest time; and retrieving the internal address associated with the selected identifier see Col 11 Ln 50- Col 12 Ln 21 & Col 6 Ln 27-33.

20. Regarding Claim 24, Alkhatib discloses the creating a list and searching the created list see Col 6 Ln 63-Col 7 Ln 5.

21. Regarding Claim 25, Alkhatib discloses the receiving of encrypted packets having predetermined sequence number and an identifier associated with internal address see Col 6 Ln 24-26 & Col 8 Ln 67- Col 9 Ln 4 ; determining a time the packet was received and associating time and internal addresses with identifier see Col 6 Ln 27-33 & Fig. 3 items 66, 62, 64 and 80; storing the identifier with associated time and associated internal address see Col. 10 Ln 43-53.

22. Regarding Claim 26, Alkhatib discloses the storage medium see Col 10 Ln 22-53; the creating a list of identifiers with each terminating at a device having an

internal address, translating the internal addresses to a external address see Col 6 Ln 63- Col 7 Ln 31; the receiving of encrypted packet having an identifier and an external address that represents a plurality of internal addresses; selecting one of the internal addresses using the list and communicating the encrypted packet to the selected internal address see Fig. 10 item 502 & Col 13 Ln 24-55 & Abstract & Col 11 Ln 50- Col 12 Ln 21.

23. Regarding Claim 27, Alkhatib discloses the searching a list of identifiers having associated times; selecting an identifier having an earliest time; and retrieving the internal address associated with the selected identifier see Col 11 Ln 50- Col 12 Ln 21 & Col 6 Ln 27-33.

24. Regarding Claim 28, Alkhatib discloses the receiving of encrypted packets having predetermined sequence number and an identifier associated with internal address see Col 6 Ln 24-26 & Col 8 Ln 67- Col 9 Ln 4 ; determining a time the packet was received and associating time and internal addresses with identifier see Col 6 Ln 27-33 & Fig. 3 items 66, 62, 64 and 80; storing the identifier with associated time and associated internal address see Col. 10 Ln 43-53.

Claim Rejections - 35 USC § 103

25. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

26. Claim 5-7, 10-12, 19-21, rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent 6,119,171 to Alkhatib in view of EP 1130846 A2 to Nexland.

27. Regarding Claim 5-7, 10-12, Alkhatib does not disclose the packet being encrypted according to Internet Security Association and Key Management Protocol(ISAKMP), Encapsulating Security Payload(ESP), and identifier being a Security Parameter Index(SPI). However, Nexland discloses the ISAKMP, ESP and SPI see Col 5 Ln 26-39 & Col 5 Ln 4-16. It would be obvious to one having ordinary skill in the art at the time of the invention to include ISAKMP and ESP in the invention of Alkhatib in order to secure environment for communication as taught in Nexland see Par 0012 Ln 40-43.

Conclusion

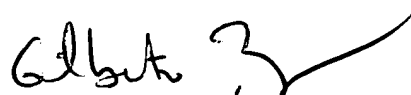
28. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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29. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

VP
6/8/2005

Venkatanarayanan Perungavoor
Examiner
Art Unit 2132


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